



Communication Emitter and Attacking System--CESAS

Purpose. Provide the Deputy Commanding General, MCCDC with information on the latest developments and future trends of the Communication Emitter Sensing and Attacking System (CESAS).



Background Information.

- The Family of Lightweight, Advanced, Mobile-mounted, Electronic Attack Systems (FLAMES) capability was the original intent of CESAS.
- FLAMES is intended to be a family of scaleable electronic attack systems for use within the MAGTF.
- FLAMES did not do well in the 02 POM due to scale and cost for a family of EA systems.
- The original requirement behind flames comes from the replacement for the ULQ-19.
- The ULQ-19 is the only USMC ground EA system and it dates to the Vietnam era. The ULQ-19 is capable of single channel jamming from 20 to 79.95 MHz. This limited capability negates any usefulness in support of the current conditions of the MAGTF.
- CESAS is a result of the scale-back of FLAMES to the original requirement for a mobile ground EA system.
- A Statement of Need (SoN) is the current draft document in support of the requirement.
- CESAS will take advantage of technologically advanced Commercial Off-the-shelf (COTS) or

Government Off-the-shelf (GOTS) equipment and capabilities to provide the Radio Battalions with a replacement for the 80's era ULQ-19.

Operational Concept.

- CESAS will provide a ground-based electronic attack capability in support of the Radio Battalion's mission.
- CESAS will determine active frequency and disrupt on either manual or automatic command.
- CESAS will conduct electronic attack in support of the MAGTF Commander's IO plan.

CESAS Chronology.

- Apr 97 – MNS.
- Oct 97 – DOTES assessment.
- 11 Apr 01 – SoN IPT.

Funding.

- CESAS is currently out-year funded, starting in 04. The AO is 31 systems and current estimated costs are \$350k per system.